



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

US Aluminum – Division of CR Laurence Company, Inc.
7500 N.W. 69 Avenue
Miami, FL 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "BAL-350" Single Outswing Aluminum Entrance Door - L.M.I.

APPROVAL DOCUMENT: Drawing No. W04-72, titled "Series 'BAL-350' Alum. Out-Swing Door (L.M.I.)", sheets 1 through 5 of 5, dated 08/13/04, with revision "D" dated 08/21/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revised and renews NOA# 15-0303.01 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jorge M. Plasencia, P.E.



J.P.
3/24/16

NOA No. 15-0915.04
Expiration Date: March 24, 2017
Approval Date: March 31, 2016
Page 1

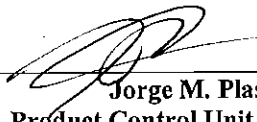
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 05-0110.01)
2. Drawing No. **W04-72**, titled "Series 'BAL-350' Alum. Out-Swing Door (L.M.I.)", sheets 1 through 5 of 5, dated 08/13/04, with revision "D" dated 08/21/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of alum. inswing entrance doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5047** dated 11/09/06, signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA No. 08-0618.04)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of alum. outswing & inswing entrance doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4320** dated 09/15/04, signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA No. 05-0110.01)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
7) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
8) Water Resistance Test, per FBC, TAS 202-94
9) Large Missile Impact Test per FBC, TAS 201-94
10) Cyclic Wind Pressure Loading per FBC, TAS 203-94
11) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of alum. outswing & inswing entrance doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-4263**, dated 07/20/04, signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA No. 05-0110.01)


Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 15-0915.04
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C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2014**, prepared by Al-Farooq Corporation, dated 09/10/15, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with **ASTM E1300-09**.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **14-0423.15** issued to **Eastman Chemical Company (MA)** for their “**Saflex CP - Saflex and Saflex HP Composite Glass Interlayers with PET Core**” dated 06/19/14, expiring on 12/11/18.

F. STATEMENTS

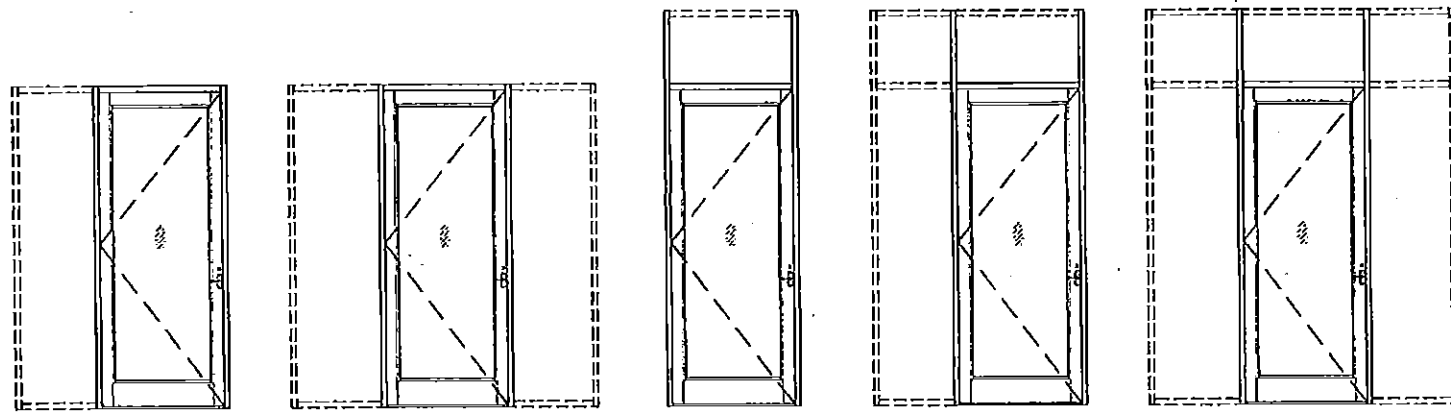
1. Statement letter of conformance, complying with **FBC-2014**, and of no financial interest, issued by Al-Farooq Corporation, dated 08/20/15, signed and sealed by Javad Ahmad, P.E.
2. Letter issued by Al-Farooq Corporation, requesting a 1-year extension to allow time to perform verification test, dated 03/24/16, signed by Javad Ahmad, P.E., Chief Engineer.
3. Testing agreement letter, dated 02/03/15 between Architectural Testing, Inc. / Intertek and C.R. Laurence Co., issued by Architectural Testing, Inc. / Intertek and signed by Jarod S. Hardman, Laboratory Manager.
(Submitted under NOA No. 15-0303.01)

G. OTHERS

1. Notice of Acceptance No. **15-0303.01**, issued to US Aluminum - Division of CR Laurence Company, Inc. for their Series “**BAL-350**” Outswing Aluminum Storefront Door - L.M.I., approved on 05/28/15 and expiring on 03/24/16.



Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 15-0915.04
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BALCONY DOOR CAN BE USED WITH TRANSOM AND SIDELITES.
FOR LIMITATIONS SEE SEPARATE MIAMI-DADE COUNTY NOA.

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

SERIES BAL-350

ALUMINUM OUT-SWING ENTRANCE DOOR

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

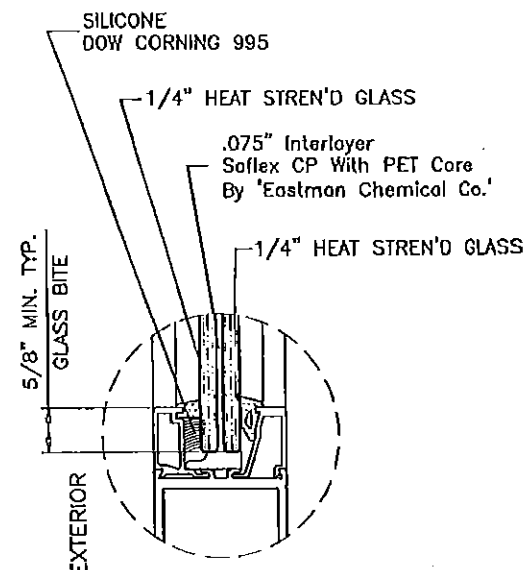
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

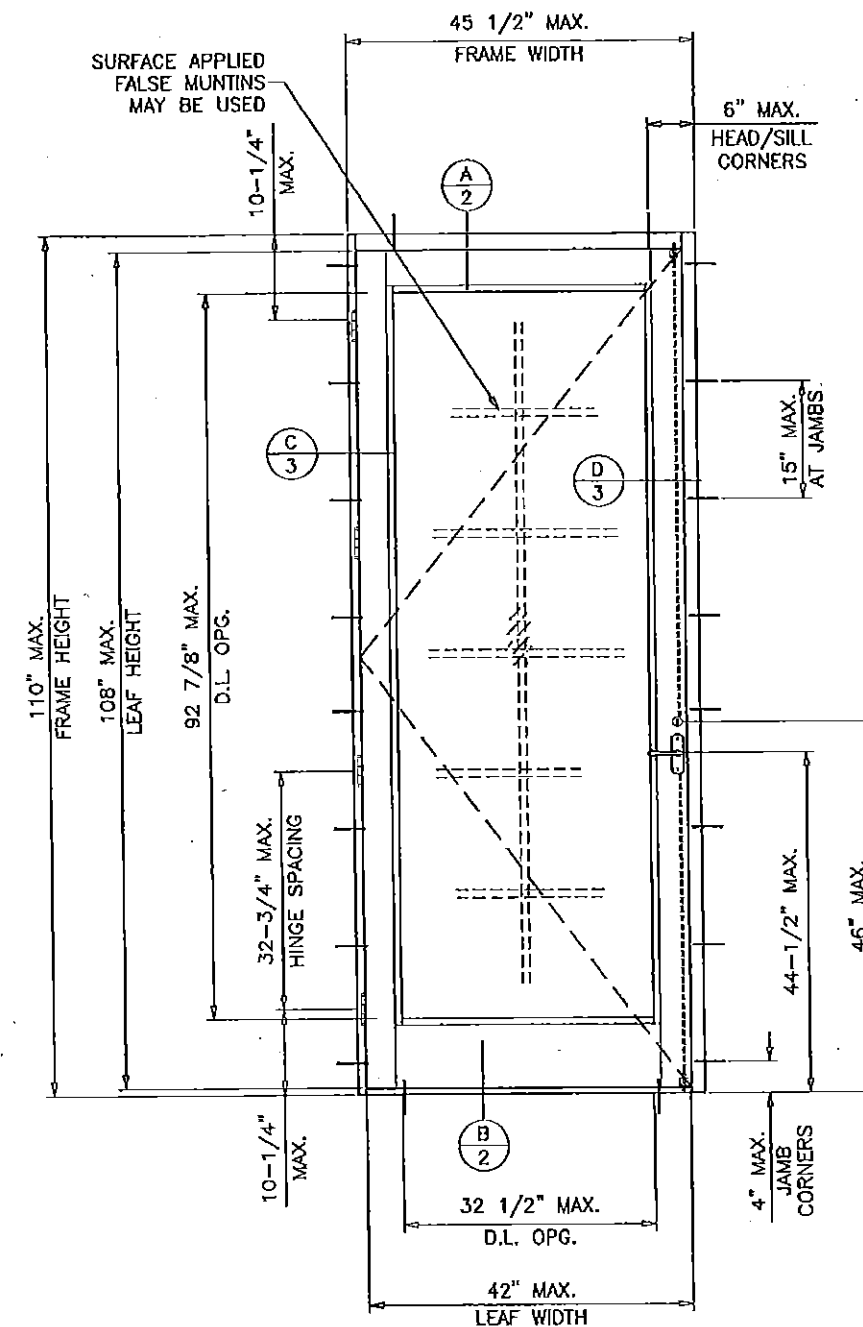
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.



GLAZING DETAIL

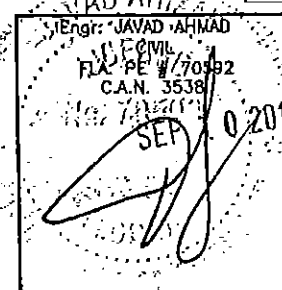
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



(X)
TYPICAL ELEVATION

MAXIMUM DESIGN LOAD RATING = + 100.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) - 100.0 PSF
AS PERMITTED BY FBC

LAMINATED GLASS
LARGE MISSILE IMPACT



PRODUCT REVISED
as complying with the Florida
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NOA-No. 15-0915.04

Expiration Date 03/24/2017

By *[Signature]*
Miami-Dade Product Control

Series 'BAL-350' Aluminum Out-Swing Door (L.M.I.)

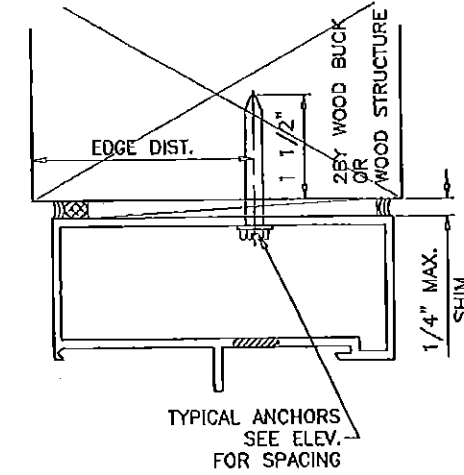
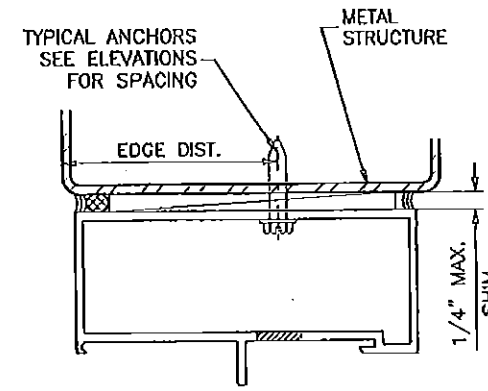
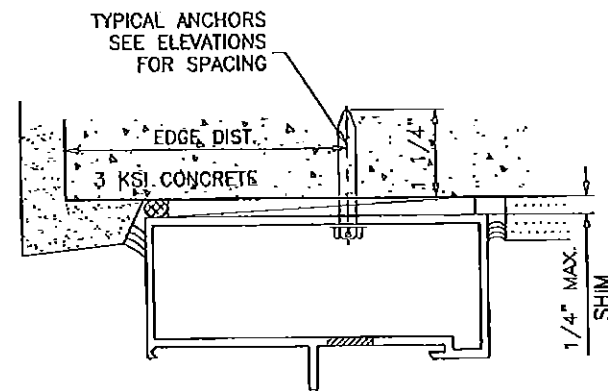
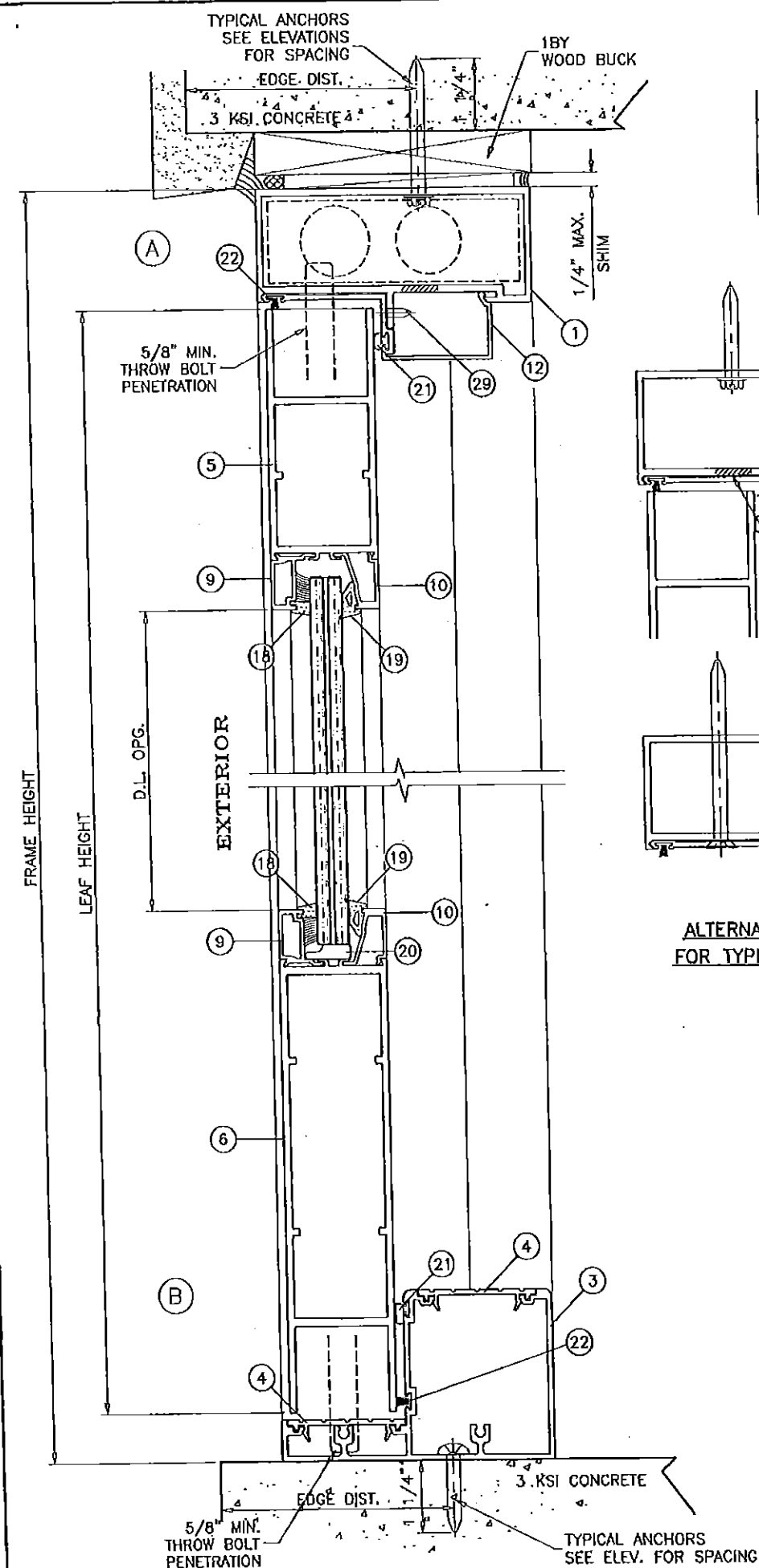
US Aluminum
Division of C.R. Laurence Co., Inc.
7500 N.W. 69TH AVE.
MIAMI, FL 33166
TEL (305) 888-0077 FAX (305) 884-3111

revisions:	no	date	by	description
	A	06.05.08		UPDATED FOR 2007 FBC
	B	12.14.09		ENGR. NAME CHANGED
	C	03.26.12		UPDATED TO 2010 FBC
	D	08.21.15		UPDATED TO 2014 FBC

date:	08-13-04
scale:	1/2"=1'-0"
dr. by:	HAMID
chk. by:	

drawing no.
W04-72
sheet 1 of 5

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
12355 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX (305) 262-6978
COMP-ANL W04-72DD



WOOD BUCKS AND METAL STRUCTURES NOT BY US ALUMINUM MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON BY 'ELCO' ($F_u=177$ KSI, $F_y=155$ KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

THRU 1BY BUCKS INTO CONC. OR MASONRY

1-1/4" MIN. EMBED INTO CONCRETE (HEAD)

1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

DIRECTLY INTO CONC. OR MASONRY

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)

1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")

INTO METAL STRUCTURES

STEEL : 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)

ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.

CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

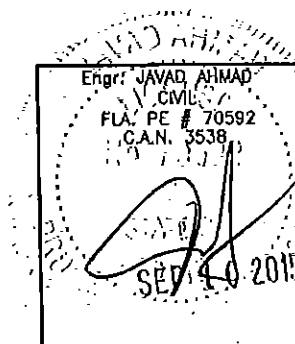
SEALANTS:

FRAME CORNERS, ASSEMBLY SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH SEALER. LEAF JOINTS SEALED WITH SILICONE.

LOCK:

THREE POINT LOCK SYSTEM WITH SURFACE MOUNT HANDLE AT 44-1/2" FROM BOTTOM.

DEAD BOLT LOCK KEY OPERATED ON EXTERIOR AND THUMBTURN ON INTERIOR, AT 46" FROM BOTTOM.



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 15-0915.04

Expiration Date 03/24/2017

By Miami-Dade Product Control

Series 'BAL-350' Aluminum Out-Swing Door (L.M.I.)

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COMP-ANL W04-72DD

NO.	DATE	BY	DESCRIPTION
A	06.05.08		UPDATED FOR 2007 FBC
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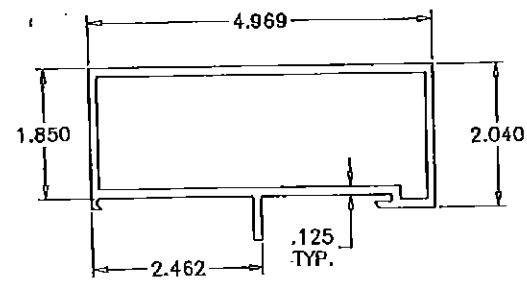
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dr. by:	HAMD
chk. by:	

drawing no.

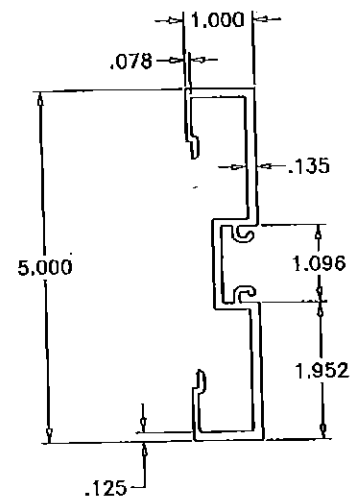
W04-72

sheet 2 of 5

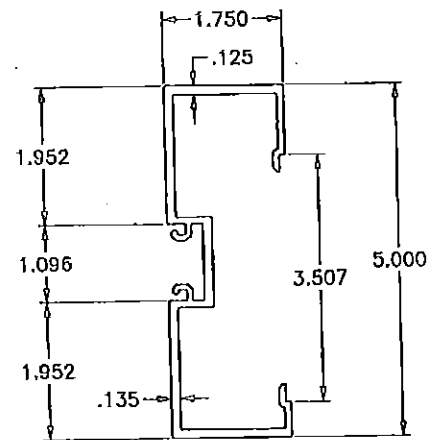
By [Signature]
Miami-Dade Product Control



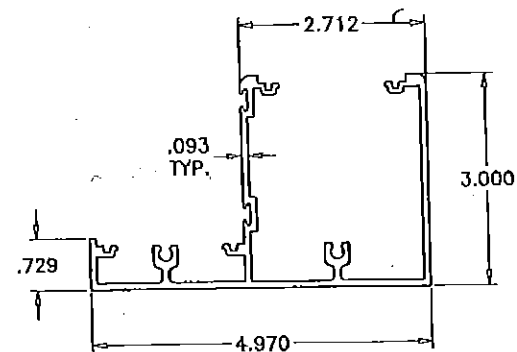
① FRAME HEAD



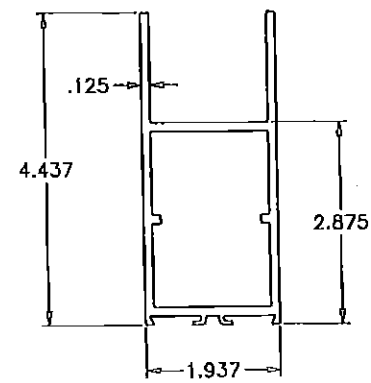
② FRAME JAMB



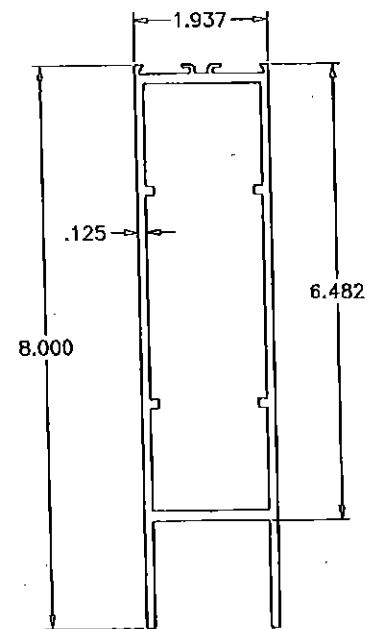
②A ALT. FRAME JAMB



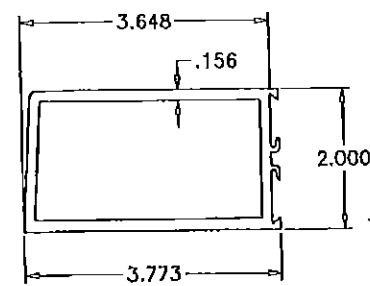
③ FRAME SILL



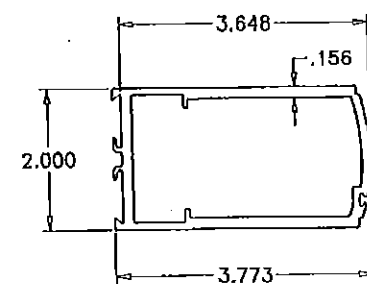
⑤ TOP RAIL



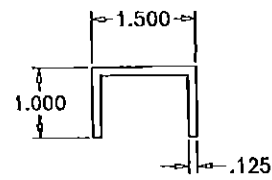
⑥ BOTTOM RAIL



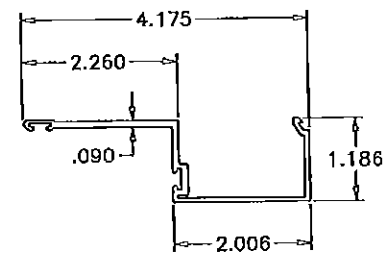
⑧ HINGE STILE



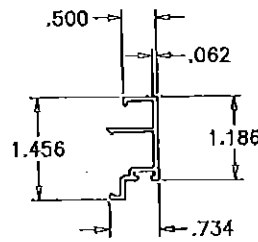
⑦ LOCK STILE



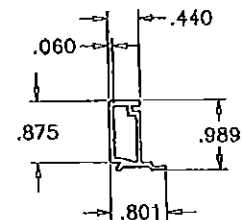
⑮ SHEAR BLOCK



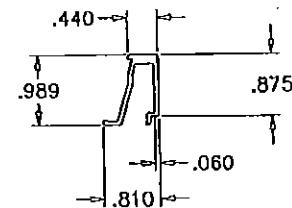
⑫ DOOR STOP JAMB



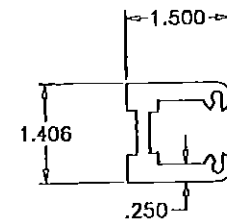
⑪ DOOR STOP JAMB



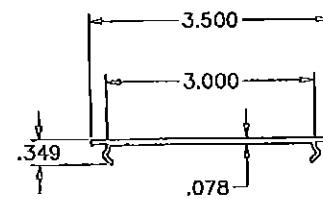
⑨ EXTERIOR GLASS STOP



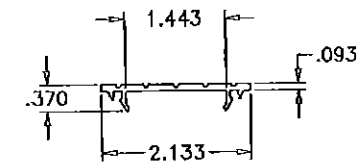
⑩ INTERIOR GLASS STOP



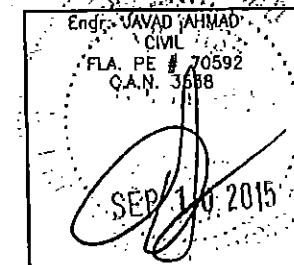
⑯ SHEAR CLIP



⑬ FLAT FILLER



④ SILL FILLER



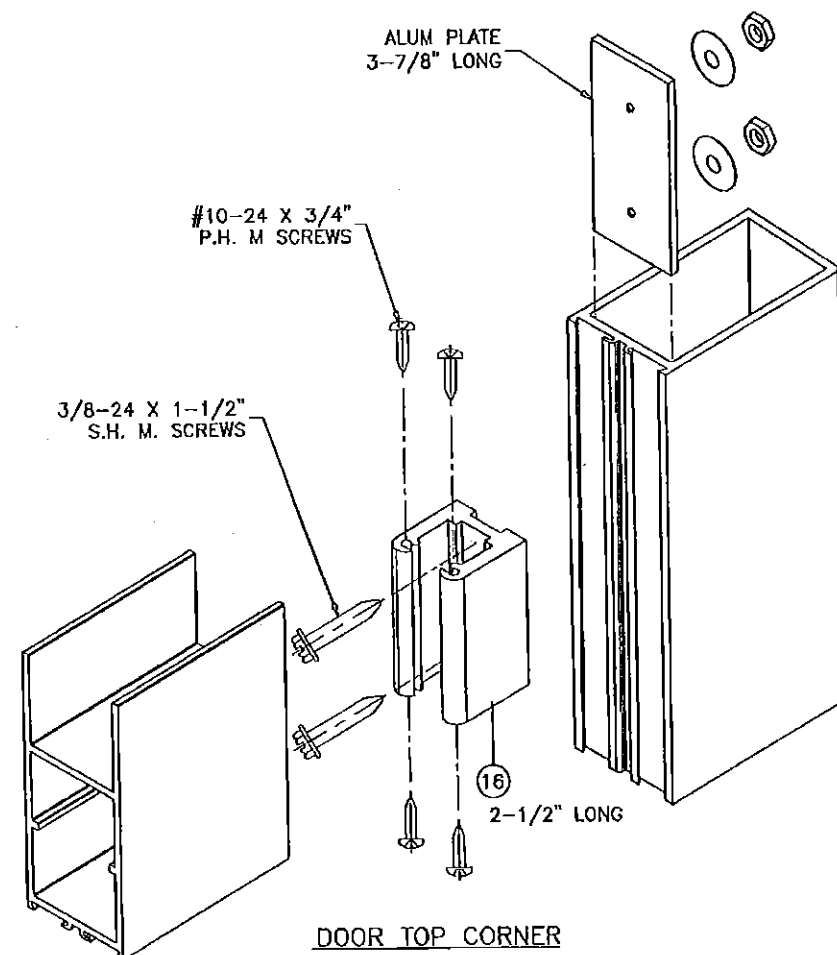
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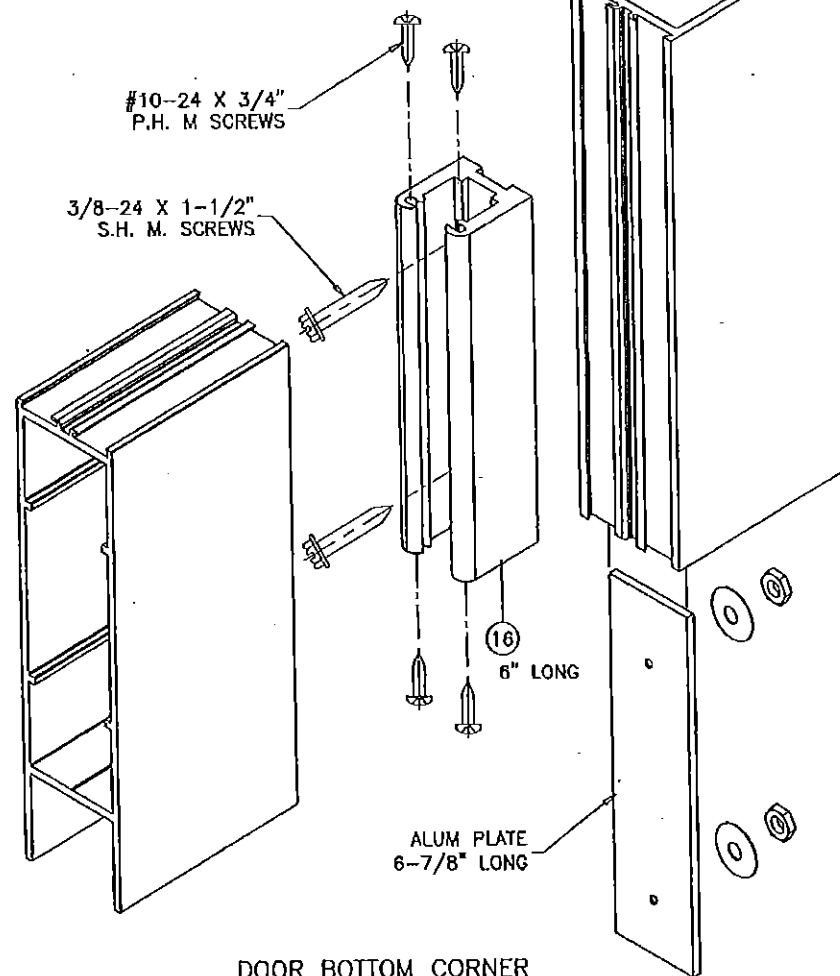
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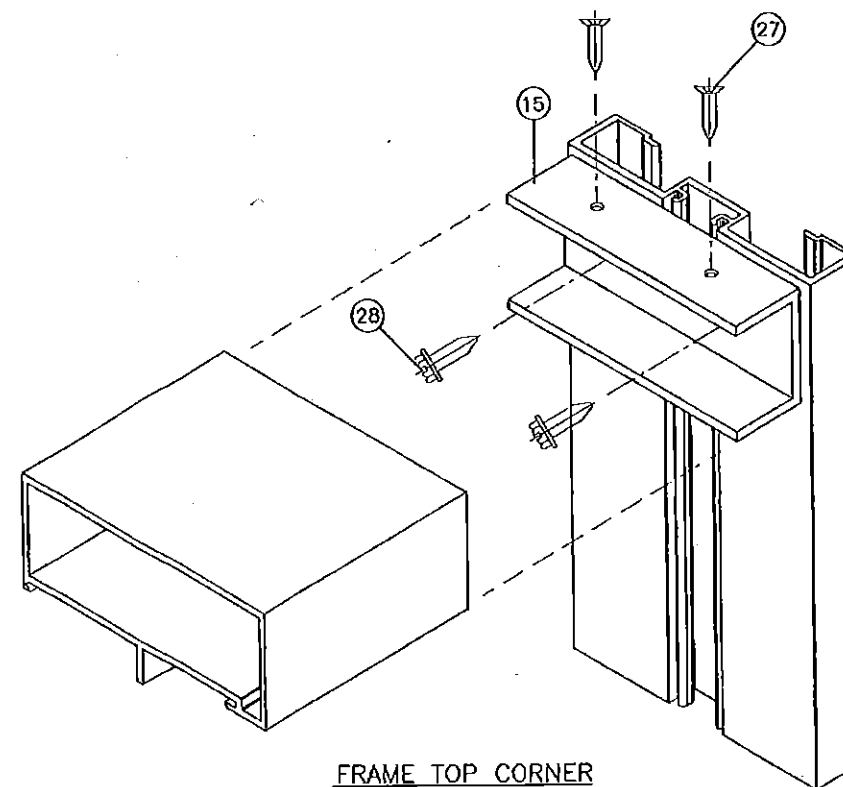
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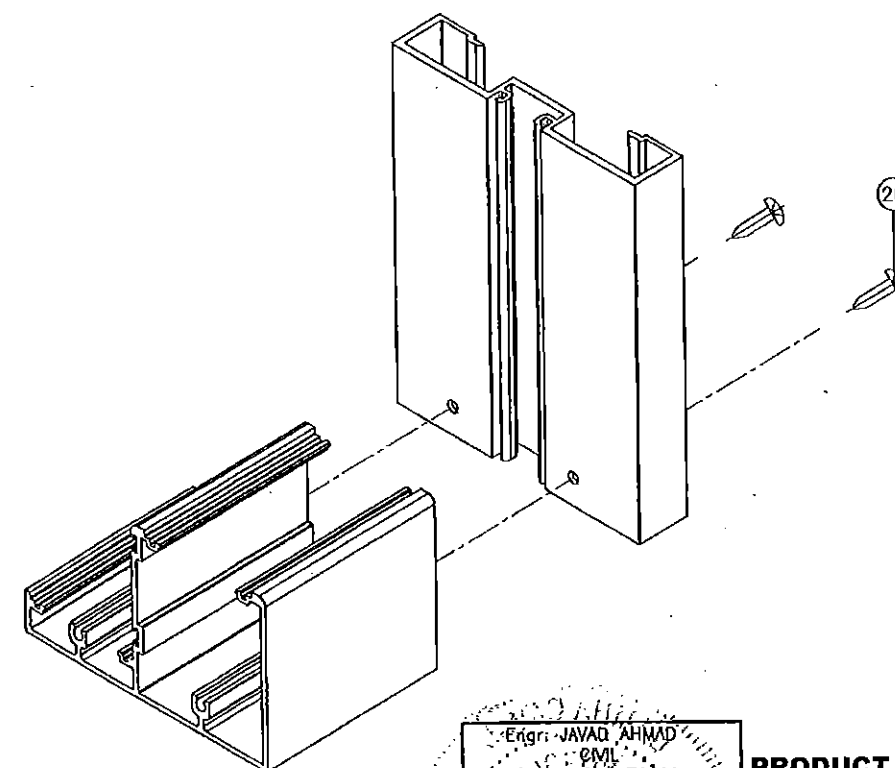
DOOR TOP CORNER



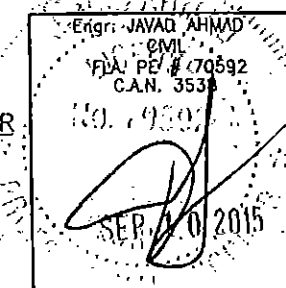
DOOR BOTTOM CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER



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